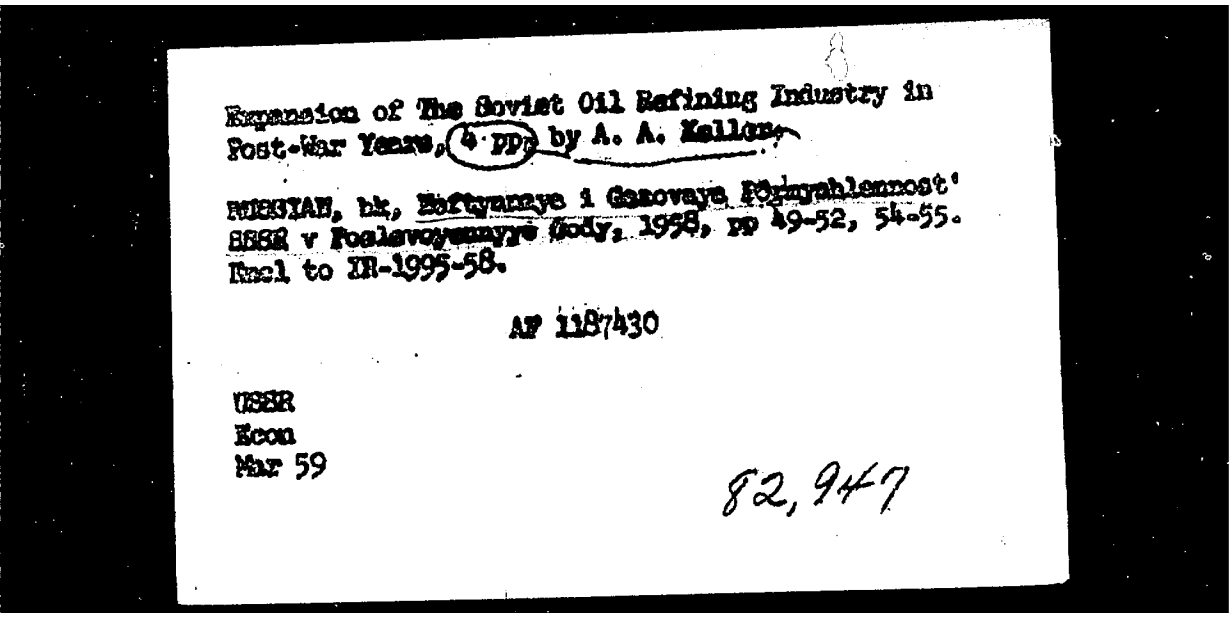

Expansion of The Soviet Oil Refining Industry in Post-War Years, 4 pp by A. A. Keller.

NEKRIAN, bk, Zaftyanaye i Gazovaye Promyshlennost' SSSR v Poslevoyennyye Gody, 1958, pp 49-52, 54-55. Encl to IR-1995-58.

AF 1187430

USSR
Econ
Mar 59

82,947

NEFTEKHIMIYA
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APPROVED FOR RELEASE: Wednesday, July 02, 2003 CIA-RDP91-00929R000200950028-6

Paushkin, Ya. M. and Yuzvyak, A. G.
PRODUCTION OF VINYLCYCLOHEXANE AND OF STYRENE FROM BUTADIENE. [1963] 8p 10refs
Order from OTS, SLA, or ETC $1.10 TT-64-14456

Trans. of Neftekhimiya (USSR) 1961, v. 1 [no. 1] p. 60-64. (Abstract available)

DESCRIPTORS: *Butadienes, Polymerization, *Cyclohexenes, Hydrogenation, Dehydrogenation, *Cyclohexanes, *Styrenes, Synthesis (Chemistry).

The process of butadiene polymerization was studied in flow-reactor under atmospheric pressure on different catalysts (phosphoric acid on Kieselguhr, chromia-alumina) and packings (active carbon, glass) at different space velocity and temperature. Optimum conditions of vinylcyclohexene formation were found on the carbon packing: temperature 400 C, space velocity 12 hour^{-1}, (Chemistry--Organic, TT, v. 11, no. 7) (over)

TT-64-14456

1. Title: Vinyl cyclohexane
I. Paushkin, Ya. M.
II. Yuzvyak, A. G.

Office of Technical Services

APPROVED FOR RELEASE: Wednesday, July 02, 2003 CIA-RDP91-00929R000200950028-6

(SF-1879)

Second All-Union Conference on Radiation Chemistry, by N. Ya. Chernyak, 5 pp.

RUSSIAN, per, Neftekhimiya, Vol I, No 1, 1961, pp 121-123.

JPRS 11452

Sci - Chem

Jan 62

175/398

APPROVED FOR RELEASE: Wednesday, July 02, 2003 CIA-RDP91-00929R000200950028-6

Kamzolkin, V. V., Bashkirov, A. N., and Lodzik, S. A.

COMPOSITION OF THE ALCOHOLS PRODUCED BY DIRECT OXIDATION OF PARAFFIN HYDROCARBONS UNDER INDUSTRIAL CONDITIONS. [1963] [12p]

6refs

Order from OTS or SLA $1.60 63-20215

Trans. of Neftekhimiya (USSR) 1961, v. 1 [no. 2] p. 260-266.

DESCRIPTORS: *Hydrocarbons, Oxidation, *Alcohols, Acetates, Glycols, Separation, Chromatographic analysis, Ketones, Industrial research.

It was shown, that alcohols and their acetates can be separated from glycols and their acetates by the method of chromatography on silica-gel. Application of the method to the investigation or composition of the industrial alcohols, industrially produced by direct oxida-

(Engineering--Chemical, TT, v. 10, no. 11) (over)

63-20215

I. Kamzolkin, V. V.
II. Bashkirov, A. N.
III. Lodzik, S. A.

Office of Technical Services

APPROVED FOR RELEASE: Wednesday, July 02, 2003 CIA-RDP91-00929R000200950028-6

(SP-1878)

Scientific-Technical Conference on the Problems of Benzine Production, by V. L. Klimenko, 7 pp.

RUSSIAN, per, Neftekhimiya, Vol I, No 2, Mar/Apr 1961, pp 292-294.

JPRS 13033

Sci - Misc
Mar 62

189,481

APPROVED FOR RELEASE: Wednesday, July 02, 2003 CIA-RDP91-00929R000200950028-6

The Effect of Pro and Antioxidants on the Lubricating Action of Mineral Oils, by G. V. Vinogradov, Gchuo-lin Liang, et al.
RUSSIAN, per. Neftekhim, Vol 1, No 3, 1961, pp 427-432.
*FTD-TT-64-845

Sci - Chem
Jul 64

APPROVED FOR RELEASE: Wednesday, July 02, 2003 CIA-RDP91-00929R000200950028-6

Aspects of the Combined Action of Air (molecular oxygen) and of Organic Sulphur, Phosphorous and Chlorine Compounds as Additives to Petroleum Oils of Different Viscosities, by M G. V. Vinogradov. 26pp.

RUSSIAN, per, Neftekhimiya, No 3, 1961, pp 433-443.

NLL M 8854
075 63-26586
224,295

Sci - Chem
Mar 63

APPROVED FOR RELEASE: Wednesday, July 02, 2003 CIA-RDP91-00929R000200950028-6

Berezin, I. V. Bykovchenko, V. G., and Meluzova, G. B.
INVESTIGATION ON THE KINETICS AND MECHANISM OF LIQUID-PHASE CYCLODODECANE OXIDATION BY MOLECULAR OXYGEN. I. QUANTITATIVE ANALYSIS OF CYCLODODECANOL AND CYCLODODECANONE IN THE OXIDATION PRODUCTS MIXTURE BY MEANS OF THEIR INFRARED ABSORPTION SP SPECTRA. [1963] 8p 11refs
Order from OTS, SLA, or ETC $1.10 TT-64-14457

Trans. of Neftekhimiya (USSR) 1961, v. 1 [no. 4] p. 535-540. (Abstract available)

DESCRIPTORS: *Cycloalkanes, Oxidation, Alcohols, Ketones, Quantitative analysis, *Infrared spectroscopy, Absorption spectrum.

(Chemistry--Analytical, TT, v. 11, no. 7) (over)

TT-64-14457

1. Title: Cyclododecane
2. Title: Cyclododecanol
3. Title: Cyclododecanone
I. Berezin, I. V.
II. Bykovchenko, V. G.
III. Meluzova, G. B.
IV. Title: Quantitative ...

Office of Technical Services

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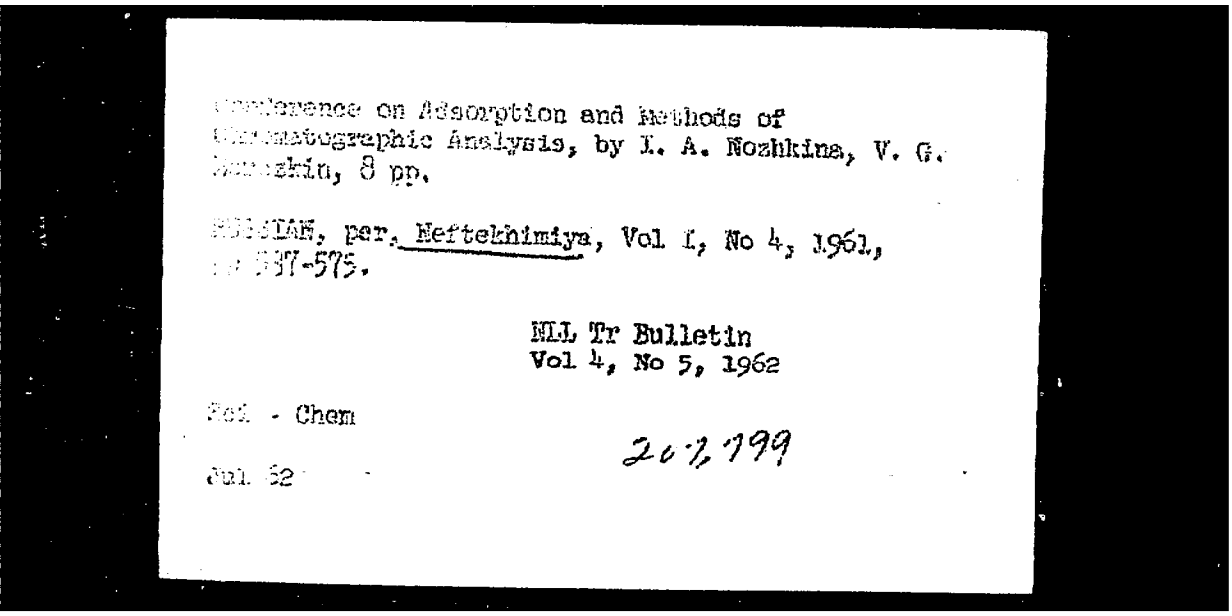


Conference on Adsorption and Methods of Chromatographic Analysis, by I. A. Nozhkina, V. G. Berezkin, 8 pp.

[illegible]IAN, ser. Neftekhimiya, Vol I, No 4, 1961, pp 587-595.

MLL Tr Bulletin
Vol 4, No 5, 1962

Pet - Chem

Jul 62

207,799

APPROVED FOR RELEASE: Wednesday, July 02, 2003 CIA-RDP91-00929R000200950028-6

Thermal Alkylation of Methylcyclohexane With Olefins Under Pressure, by N. M. Nazarova, L. Kh. Freydlin, et al, 11 pp.

RUSSIAN, par, Neftekhimiya, Vol I, No 5, 1961, pp 617-618. 9667803

FTD-TT-62-1185

Sci-Chem
Mar 63

223,646

Alkylating Tetrahydronaphthalene by Olefins in the Aliphatic Ring, by L. Kh. Freydlin, N. M. Nazarova, 8 pp.

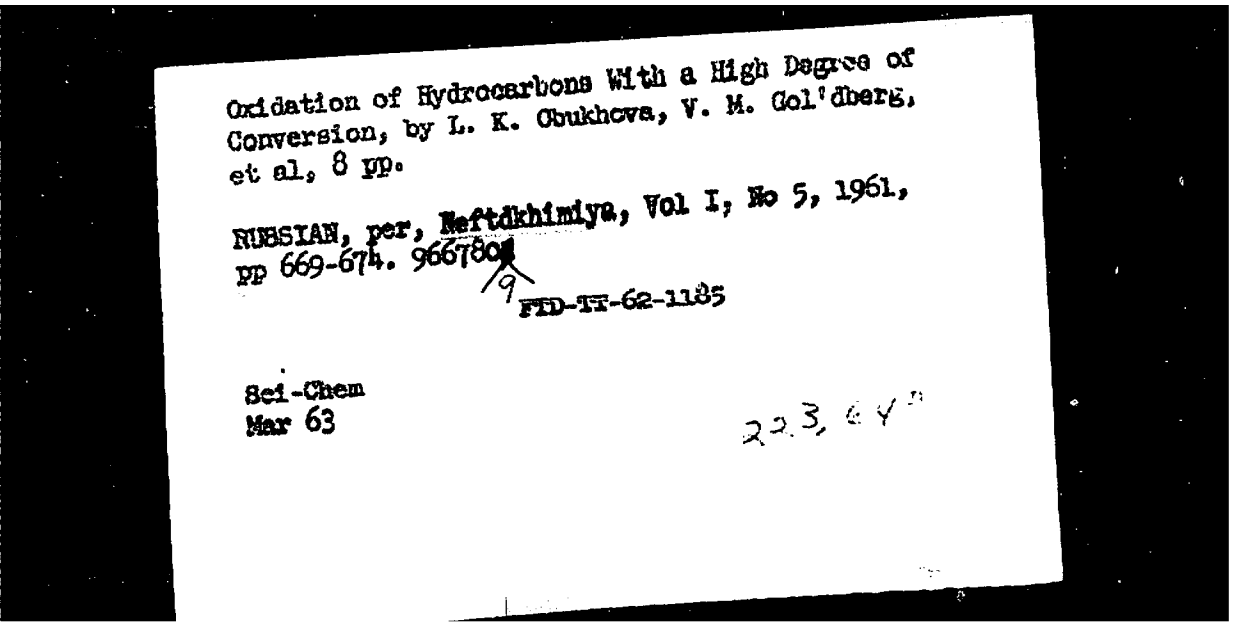
RUSSIAN, per, Neftekhimiya, Vol I, No 5, 1961, pp 619-623. 9667803

FTD-TT-62-1185

Sci-Chem
Mar 63

223,647

APPROVED FOR RELEASE: Wednesday, July 02, 2003 CIA-RDP91-00929R000200950028-6



Oxidation of Hydrocarbons With a High Degree of Conversion, by L. K. Obukhova, V. M. Gol'dberg, et al, 8 pp.

RUSSIAN, per, Neftekhimiya, Vol I, No 5, 1961, pp 669-674. 9667809

FTD-TT-62-1185

Sci-Chem
Mar 63

223.64

APPROVED FOR RELEASE: Wednesday, July 02, 2003 CIA-RDP91-00929R000200950028-6

Kamnolkin, V. V., Rashkirov, A. N., Sokova, K. M. and others.

CONVERSIONS OF HIGHER ALIPHATIC ALCOHOLS IN THEIR LIQUID-PHASE OXIDATION. [1963] 14p 29refs

Order from OTS, SLA, or ETC $1.60 TT-64-10786

Trans. of Neftekhimiya (USSR) 1961, v. 1 [no. 5] p. 675-682. (Abstract available)

DESCRIPTORS: *Alcohols, *Oxidation, Molecular structure, *Esters, *Ketones, Synthesis (Chemistry),

It was established that during liquid-phase oxidation of higher n-aliphatic alcohols oxidation reactions occur also in the alkyl-part of molecule with formation of bifunctional compounds, the portion of which in reaction products varies as function of OH-group position in the molecule. This portion drops with OH-group displacement from end of chain toward middle of chain. (Chemistry--Organic, TT, v. 11, no. 9) (over)

TT-64-10786

I. Kamnolkin, V. V.
II. Rashkirov, A. N.
III. Sokova, K. M.

Office of Technical Services

APPROVED FOR RELEASE: Wednesday, July 02, 2003 CIA-RDP91-00929R000200950028-6

KFK-tr-131 Uncl.

γ-RADIOLYSE VON n-HEXAN IN GEGENWART VON GERINGEN MENGEN BENZOL. (γ-Radiolysis of n-Hexane in the Presence of Limited Amounts of Benzol). L. S. Polak, N. Ya. (Ja.) Chernyak (Cernjak), V. A. Skakhray (Sachraj), and A. S. Shcherbakova (Scerbakova). Translated into German by Peter Buriks (Kernreaktor Bau- und Betriebs-Gesellschaft m.b.H., Karlsruhe, Germany) from Neftekhimiya, 1: 695-9(Sept.-Oct. 1961). 17p. Russian

For abstract, see NSA, 16: 20512.

Chemistry; Translations MC-4
C-4 NP RC Dep.(mc); $1.10(fs), $0.80(mf)
N-9 JCL

Grishina, O. N. and Sabirova, R. Z.
SYNTHESIS OF DICHLORIDES OF ALKYLPHOSPHONIC ACIDS FROM n-PARAFFINIC HYDROCARBONS BY THE METHOD OF OXIDATIVE PHOSPHONATION.
[1963] 5p.
Order from ATS $7.50 ATS-81Q66R

Trans. of Neftekhimiya (USSR) 1961, v. 1, no. 6, p. 796-799.

DESCRIPTORS: *Hydrocarbons, *Phosphonic acids, *Alkyl radicals, *Chlorides, Synthesis.

(Chemistry--Organic, TT, v. 10, no. 3)

63-12823

I. Title: Oxidative Phosphonation
I. Grishina, O. N.
II. Sabirova, R. Z.
III. ATS-81Q66R
IV. Associated Technical Services, Inc., East Orange, N. J.

ATS RJ-4023

Office of Technical Services

APPROVED FOR RELEASE: Wednesday, July 02, 2003 CIA-RDP91-00929R000200950028-6

Investigation of the Recombination Products of Alkyl Radicals in Liquid-Phase ~~XXXXXX~~ Radiolysis of n-Hexane, by N. A. Belikova, V. G. Berezkin, 15 pp.

RUSSIAN, PER, Neftekhimiya, 1, No 6, 1961, pp 828-835. 9679696

FTD-TT-62-1270

Sci-Chem, Phys
Mar 63

224,810

APPROVED FOR RELEASE: Wednesday, July 02, 2003 CIA-RDP91-00929R000200950028-6

Eldus, Ya. T., Nefedov, B. K., and Lobzova, A. V.
CATALYTIC POLYMERIZATION OF OLEFINS. PT. 15. LIQUID PRODUCTS OF ETHYLENE POLYMERIZATION ON THE CATALYST NICKEL-OXIDE-ALUMINOSILICATE, UNDER HIGHER PRESSURE. [1963] [9]p. 5refs.
Order from OTS, SLA, or ETC $1.10 TT-63-18842

Trans. of Neftekhimiya (USSR) 1962, v. 2 [no. 1] p. 21-27. (Abstract available)

DESCRIPTORS: *Polyethylene plastics, *Ethylenes, Polymerization, *Catalysts, *Nickel catalysts, *Aluminum compounds, *Silicates, Liquids, Hydrocarbons, Raman spectroscopy

The polymerization of ethylene on impregnated NiO-aluminosilicate catalyst at 275-300 C under 5-30 atm. in a space velocity range from 100 to 2,000 (Materials--Plastics, TT, v. 11, no. 1) (over)

TT-63-18842

I. Eldus, Ya. T.
II. Nefedov, B. K.
III. Lobzova, A. V.
IV. Title: Liquid ...

Office of Technical Services

APPROVED FOR RELEASE: Wednesday, July 02, 2003 CIA-RDP91-00929R000200950028-6

Catalytic Properties of Rhenium-Aluminum-Palladium Catalysts in the Reactions of Hydrocarbons and Their Mixtures, by M. A. Ryashentseva.
RUSSIAN, per, Neftekhimiya, No 1, 1962, pp 37-40.
NTC 72-14391-07D

Jan 73

APPROVED FOR RELEASE: Wednesday, July 02, 2003 CIA-RDP91-00929R000200950028-6

Energy Transfer in the Radiolysis of Hydrocarbons, by A. M. Brodskiy, Yu. A. [redacted] Kolbanovskiy, et al, 24 pp.

[redacted] RUSSIAN, per, Neftekhimiya, Vol II, No 1, 1962, pp 54-67. 9213640

AEC-tr-5900

Sci-Phys

Sep 63

345, 241

APPROVED FOR RELEASE: Wednesday, July 02, 2003 CIA-RDP91-00929R000200950028-6

The Influence of the Structure of Hydrocarbons on the Formation of Radicals During Low-Temperature Gamma-Radiolysis in the Solid Phase, by O. L. Lependina, L. S. Polak, 6 pp.

RUSSIAN, per, Neftekhimiya, Vol II, 1962, pp 68-70.

9213037

AEC-Tr-5861

Sci - Nucl Sci

Aug 63

343,639

Isolation of Methylcyclopentane and Cyclohexane From Petroleum Fractions by Ye. M. Remashvili, 8 pp.

RUSSIAN, per, Neftekhimiya, Vol 2, No 2, 1962, pp 160-163. 9669968

FTD-TT-63-563

Sci - Chem

Sept 63

344,689

Polyanskii, N. G., Markevich, S. M. and others.
THE SELECTIVE EXTRACTION OF ISOAMYLENES FROM HYDROCARBON MIXTURES. [1963] [8]p. 12 refs.
Order from OTS or SLA $1.10 63-18750

Trans. of Neftekhimiya (USSR) 1962, v. 2 [no. 2]. p. 164 -169.

DESCRIPTORS: Pentanes, *Methyl radicals, *Butenes, Alcohols, Petroleum, Ion exchange resins, Hydrocarbons, Mixtures.

It was found that only the tertiary amylenes, of all C_5-olefins in pentane-amylenic fraction, are hydrated in the presence of H-cation exchanging resin KU-2 at 75 C. Under dynamic conditions, the conversions of amylenes per pass were unaffected by water addition to the catalyst. T. -amylic alcohol could be produced at any dilution of the t. -amylenes on the ion-exchanger by
(Chemistry--Organic, TT, v. 10, no. 11) (over)

63-18750

I. Title: Isoamylenes
I. Polyanskii, N. G.
II. Markevich, S. M.

Office of Technical Services

APPROVED FOR RELEASE: Wednesday, July 02, 2003 CIA-RDP91-00929R000200950028-6

Effect of Heat Treatment of Aluminosilicate Catalysts in Vacuo on their Structure, by K.V. Topchieva and E.N. Rosolovskaya. RUSSIAN, per, Neftekhimiya, 1962, vol.2, no.2, pp. 175-178.

ATS-83 R 76 R

Mat/Metal
Aug 66 307,697

APPROVED FOR RELEASE: Wednesday, July 02, 2003 CIA-RDP91-00929R000200950028-6

Sharaev, O. K., Topchieva, K. V. and others.
THE NATURE OF INDUCTION PERIOD IN ETHYLENE POLYMERIZATION ON CHROMIA CATALYST.
[1963] 2p. 1 ref.
Order from OTS or SLA $1.10 63-18848

Trans. of Neftekhimiya (USSR) 1962, v. 2 [no. 2] p. 187-188.

DESCRIPTORS: *Polyethylene plastics, *Ethylenes, Polymerization, *Chromium catalysts, Solvents, *Octanes.

Experimental results of chromia catalyst treatment by isooctane confirmed that formation of the catalytic activity occurs during the induction period because of a reduction of the hexavalent chromium catalyst under the action of reagent- the ethylene. (Author)

(Materials--Plastics, TT, v. 10, no. 12)

63-18848

I. Sharaev, O. K.
II. Topchieva, K. V.

Office of Technical Services

APPROVED FOR RELEASE: Wednesday, July 02, 2003 CIA-RDP91-00929R000200950028-6

R-1122-N

Radiation Thermal Cracking of Hydrocarbons (USSR),
by Topchiyer, A. V.

RUSSIAN, per, Neftekhimiya, Vol II, No 2, 1962,
pp 196-X210.

*JPRS/Redstone Arsenal

Sci-Phys
Feb 63

APPROVED FOR RELEASE: Wednesday, July 02, 2003 CIA-RDP91-00929R000200950028-6

Smirnov, O. K. and Grineva, N. I.
CONJUGATED OXIDATION OF PHOSPHORUS TRICHLORIDE AND MIXTURES OF ALIPHATIC HYDROCARBONS. [1964] 6p
Order from ATS $7.75 ATS-34Q74R

Trans. of Neftekhimiya (USSR) 1962, v. 2, no. 2, p. 237-241.

(Chemistry--Organic, TT, v. 11, no. 12)

TT-64-12748

I. Smirnov, O. K.
II. Grineva, N. I.
III. ATS-34Q74R
IV. Associated Technical Services, Inc., East Orange, N. J.

Office of Technical Services

APPROVED FOR RELEASE: Wednesday, July 02, 2003 CIA-RDP91-00929R000200950028-6

Shokova, E. A., Khromov, S. I. and others.
CATALYTIC REARRANGEMENTS OF CYCLONONANE AND CYCLODECANE IN THE PRESENCE OF A NICKEL CATALYST. [1963] [10]p. 10 refs.
Order from OTS or SLA $1.10 63-18752

Trans. of Neftekhimiya (USSR) 1962, v. 2, p. 280-287.

DESCRIPTORS: *Methanes, *Octanes, *Cyclohexanes, *Methyl radicals, *Cyclopentanes, *Heptanes, *Nickel catalysts, Raman spectroscopy, Kieselguhr, Benzenes, Catalysis.

Catalytic conversions of cyclononane and cyclodecane were studied in the presence of nickel upon kieselguhr and in a stream of hydrogen at 200 and 250 C. The substances undergo under these conditions a transannular dehydrocyclization, a direct hydrogenolysis and a stepwise isomerization of their cycles. The reaction products of cyclononane were n-nonane, n-octane,
(Chemistry--Organic, TT, v. 10, no. 12) (over)

63-18752

1. Title: Cyclodecane
2. Title: Cyclononane
I. Shokova, E. A.
II. Khromov, S. I.

Office of Technical Services

APPROVED FOR RELEASE: Wednesday, July 02, 2003 CIA-RDP91-00929R000200950028-6

Sterligov, O. D. and Rozhkova, M. I.
CONTINUOUS ISOMERIZATION OF THE 2-METHYL-BUTENES-2 AND -1 [INTO] 3-METHYLBUTENE-1.
[1963] [3]p. 3 refs.
Order from OTS or SLA $1.10 63-18846

Trans. of Neftekhimiya (USSR) 1962, v. 2, p. 288-290.

DESCRIPTORS: *Butenes, Methyl radicals, *Molecular isomerism, Synthesis (Chemistry), Catalysts, Aluminum compounds, Oxides, Fractionation, Polyethylene plastics.

The possibility of a continuous process for the synthesis of 3-methylbutene-1 is shown, based on the isomerization of the two other isoamylenes on active aluminum oxide and a subsequent fractionation in efficient laboratory columns. Process continuity was reached through combination of the isomerization and fractiona-
(Chemistry--Organic, TT, v. 10, no. 12) (over)

63-18846

1. Title: 2-Methyl 1-butene
2. Title: 2-Methyl 2-butene
3. Title: 3-Methyl 1-butene
I. Sterligov, O. D.
II. Rozhkova, M. I.

Office of Technical Services

APPROVED FOR RELEASE: Wednesday, July 02, 2003 CIA-RDP91-00929R000200950028-6

Topchieva, K. V. and Rosol'skaya, E. N.
EFFECT OF DEHYDRATION OF ALUMINOSILICATE CATALYST ON ITS ACIDITY. [1964] 9p 14refs
Order from OTS, SLA, or ETC $1.10 TT-64-14945

Trans. of Neftekhimiya (USSR) 1962, v. 2 [no. 3] p. 298-304.

OTS-TT-64-22251

(Chemistry--Physical, [illegible] v. 11, no. 11)

TT-64-14945

I. Topchieva, K. V.
II. Rosol'skaya, E. N.

Office of Technical Services

APPROVED FOR RELEASE: Wednesday, July 02, 2003 CIA-RDP91-00929R000200950028-6

Preparation of Stereospecific Polymers by
γ-Irradiation of Inclusion Complexes, by
O. Glavati, L. Polak.

RUSSIAN, per, Neftekhimiya, Vol II, No 3, 1962, pp 318-323.

CSIRO/No 6196 (14 pp)
OTS 63-19970 (9 pp - $1.60)
OTS PLA 63-18645 (7 pp - $1.10)
341,999

Sci-Chem

Aug 63

APPROVED FOR RELEASE: Wednesday, July 02, 2003 CIA-RDP91-00929R000200950028-6

Mavlyutova, E. G., Vigulyarov, G. N., and Imaev, M. G.
VAPOR-PHASE OXIDATION OF PETROLEUM RAW-MATERIAL TO PHTHALIC ANHYDRIDE IN A FLUIDIZED CATALYST BED. 12p 4refs
Order from OTS, SLA, or ETC $1.60 TT-64-16687

Trans. of Neftekhimiya (USSR) 1962, v. 2, [no. 3] p. 362-367.

(Chemistry--Organic, TT, v. 12, no. 4)

TT-64-16687

I. Mavlyutova, E. G.
II. Vigulyarov, G. N.
III. Imaev, M. G.

Office of Technical Services

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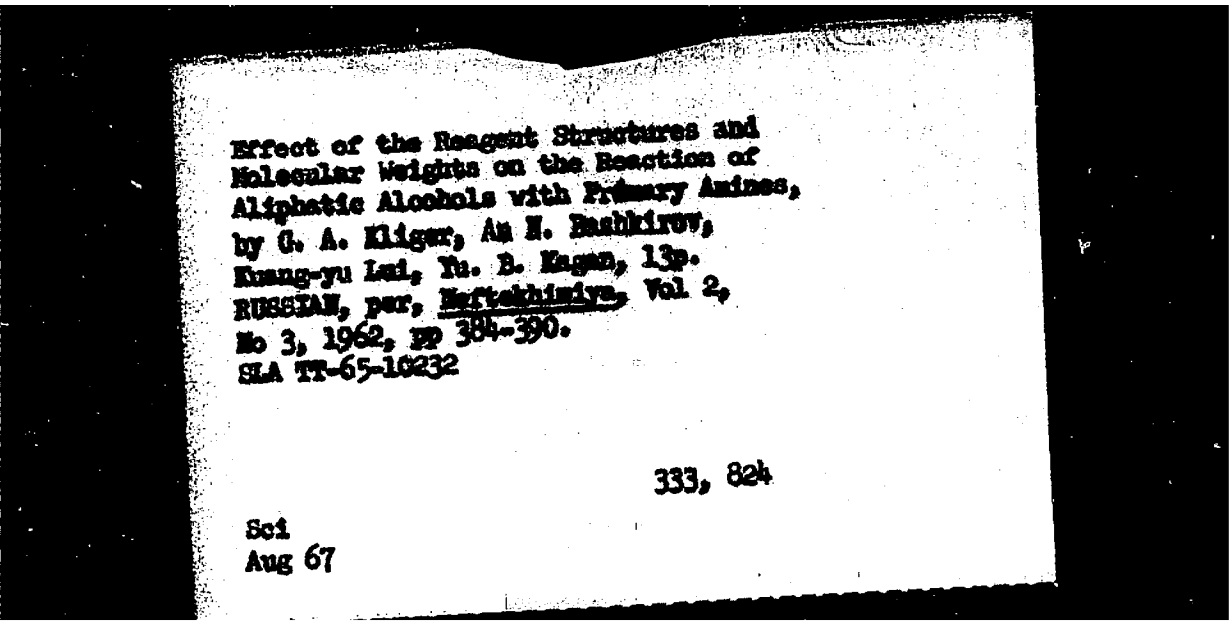
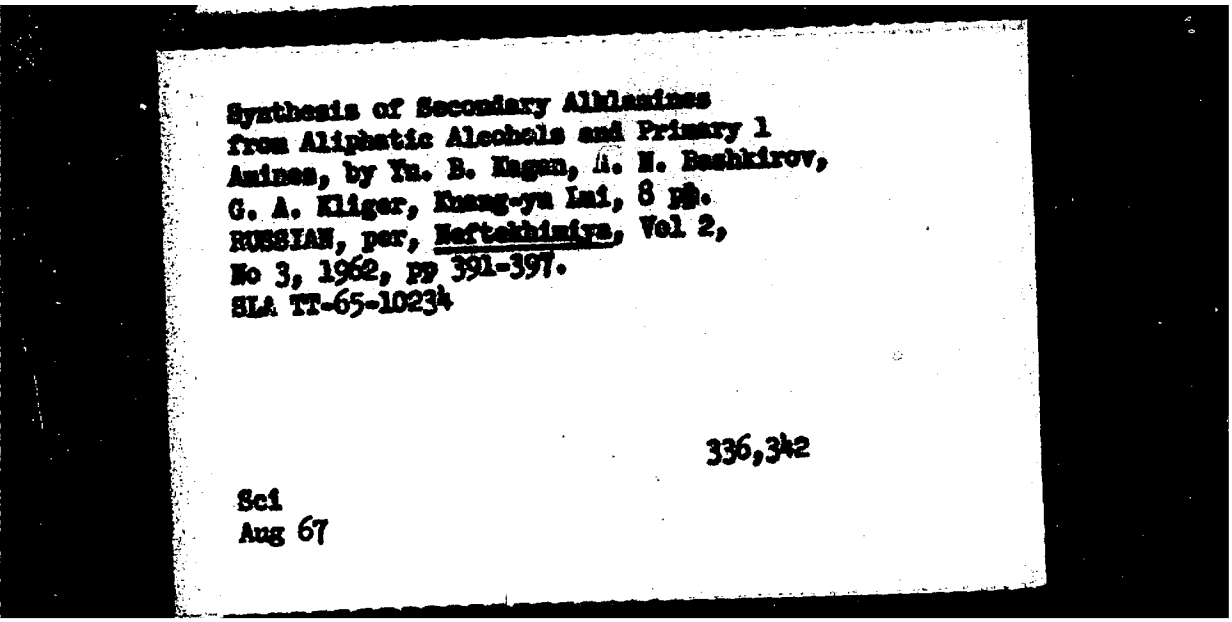


Effect of the Reagent Structures and Molecular Weights on the Reaction of Aliphatic Alcohols with Primary Amines, by G. A. Kliger, An N. Bashkirov, Kuang-yu Lai, Yu. B. Kagan, 13p. RUSSIAN, per, Neftekhimiya, Vol 2, No 3, 1962, pp 384-390. SLA TT-65-10232

333, 824

Sci
Aug 67



Synthesis of Secondary Alkylamines
from Aliphatic Alcohols and Primary
Amines, by Yu. B. Kagan, A. M. Bashkirov,
G. A. Kliger, Kuang-yu Lai, 8 pp.
RUSSIAN, per, Neftekhimiya, Vol 2,
No 3, 1962, pp 391-397.
SLA TT-65-10234

336,342

Sci
Aug 67

Vigderhaus, M. S., Holbert, K. A. and others
GAS PARTITION CHROMATOGRAPHY OF ISOBUTANE OXIDATION PRODUCTS. [1962] 11p. (figs. omitted) refs.
Order from OTS or SLA $1.60 63-10665

Trans. of Neftekhimiya (USSR) 1962, v. 2, no. 3, p. 410-412.

DESCRIPTORS: Chemical analysis, Liquids, Oxidation, Hydrocarbons, *Hydrogen peroxide, *Chromatographic analysis, *Gas chromatography, *Butanes, Polymerization.

Analysis techniques of oxidation products of isobutane that is reduced to hydrogen peroxide were developed. Analysis of raw material and residual gas formed in oxidation process were developed. (Author)

(Chemistry--Analytical, TT, v. 9, no. 10)

63-10665

I. Vigderhaus, M. S.
II. Holbert, K. A.

Office of Technical Services

APPROVED FOR RELEASE: Wednesday, July 02, 2003 CIA-RDP91-00929R000200950028-6

TWELFTH CONFERENCE ON HIGH MOLECULAR COMPOUNDS DEVOTED TO MONOMERS, BY M. A. DALIN, T. I. CHERNYSHEVA, 13 PP.

RUSSIAN, PER, NEFTEKHIMIYA, VOL II, NO 3, 1962. PP 415-419

JPRS 15803

SCI-CHEM

OCT 62

215,001

APPROVED FOR RELEASE: Wednesday, July 02, 2003 CIA-RDP91-00929R000200950028-6

REVIEW OF THE PROCEEDINGS OF THE SCIENTIFIC AND TECHNICAL CONFERENCE ON ADDITIVES TO OILS AND FUELS, BY YE. S. SHCHEPELEVA, AND V. V. SHER, 10 PP.

RUSSIAN, PER, NEFTEKHIMIYA, VOL II NO 3, 1962, PP 420-423.

JPRS 15803

SCI-CHEM
OCT. 62

FTD-TT-61-779
9696050 215,000

APPROVED FOR RELEASE: Wednesday, July 02, 2003 CIA-RDP91-00929R000200950028-6

Tyuryaev, I. Ya. and Vinnik, N. F.
KINETIC RELATIONSHIPS IN THE ONE-STEP VACUUM DEHYDROGENATION OF n-BUTANE TO BUTADIENE. [1964] 9p 11refs
Order from OTS, SLA, or ETC $1.10 TT-64-10776

Trans. of Neftekhimiya (USSR) 1962, v. 2 [no. 4, p. 436-441].

(Chemistry--Physical, TT, v. 11, no. 12)

TT-64-10776

I. Tyuryaev, I. Ya.
II. Vinnik, N. F.

Office of Technical Services

APPROVED FOR RELEASE: Wednesday, July 02, 2003 CIA-RDP91-00929R000200950028-6

Bogdanova, O. K., Shcheglova, A. P., and Balandin, A. A.
THE CATALYTIC DEHYDROGENATION OF INDIVIDUAL ISOPENTENES INTO ISOPRENE. [1963] [7]p. 11 refs
Order from OTS or SLA $1.10 63-18843

Trans. of Neftekhimiya (USSR) 1962, v. 2 [no. 4] p. 442-447.

DESCRIPTORS: *Isoprene, *Pentenes, *Dehydrogenation, Catalysts, Catalysis, *Reaction kinetics, Temperature, Oxides,

Catalytic dehydrogenation kinetics of isopentene isomers to isoprene was studied on an oxide catalyst 560-600 C and a passage rate of 5 hour^{-1}, with steam dilution in wt. ratio 1:3. 2, 3. Reaction rate constants were determined and also the tendency for (Materials--Elastomers, TT, v. 10, no. 12) (over)

63-18843

I. Bogdanova, O. K.
II. Shcheglova, A. P.
III. Balandin, A. A.

Office of Technical Services

APPROVED FOR RELEASE: Wednesday, July 02, 2003 CIA-RDP91-00929R000200950028-6

Kazanskii, B. A., Dorogochinskii, A. Z. and others. DEHYDROGENATION OF ISOPENTANE TO ISOAMYLENES ON THE ALUMINA-CHROMIA-POTASSIA CATALYST. [1963] [13p] 16refs
Order from OTS or SLA $1.60 63-20214

Trans. of Neftekhimiya (USSR) 1962, v. 2, no. 4, p. 448-456.

DESCRIPTORS: *Catalysts, Oxides, Potassium compounds, Chromium compounds, Aluminum compounds, *Pentanes, Dehydrogenation, *Pentenes, Ethylenes.

A systematic study was made on dehydrogenation of isopentane to amylenes upon the stationary and fluidized catalyst K-544, which was stable; catalyst consumption did not exceed 0.47 wt. % of raw material, which permits its use as mobile catalyst. Regeneration (Engineering--Chemical, TT, v. 10, no. 11) (over)

63-20214

1. Title: Isoamylenes
I. Kazanskii, B. A.
II. Dorogochinskii, A. Z.

Office of Technical Services

APPROVED FOR RELEASE: Wednesday, July 02, 2003 CIA-RDP91-00929R000200950028-6

Shulkin, N. I., Timofeeva, E. A., Plotnikov, Yu. N., and others.
PRODUCTION OF ALKENES C_6-C_{10} BY CATALYTIC DEHYDROGENATION OF ALKANES. [1963] 17p 33refs
Order from OTS, SLA, or ETC $1.60 TT-64-10107

Trans. of Neftekhimiya (USSR) 1962, v. 2 [no. 4] p. 457-466. (Abstract available).

DESCRIPTORS: *Alkenes, *Hexenes, Production, *Alkanes, *Hexanes, *Dehydrogenation, *Catalysis, Catalysts, Aluminum compounds, Chromium compounds, Potassium compounds, Oxides.

Dehydrogenation of 2-methylpentane, 3-methylpentane and 2,3-dimethylbutane on alumina-chromia-potassia catalyst at 500 C and a space velocity of 0.5 hour^{-1} showed that C_6 alkanes, with a chain shorter than 6 C atoms, give easily 32 to 40% of alkenes in the catalyzate. Existence of two types active centers, dehy- (over)
(Chemistry--Organic, TT, v. 11, no. 5)

TT-64-10107

I. Shulkin, N. I.
II. Timofeeva, E. A.
III. Plotnikov, Yu. N.

Office of Technical Services

APPROVED FOR RELEASE: Wednesday, July 02, 2003 CIA-RDP91-00929R000200950028-6

Belomestnykh, I. P., Bogdanova, O. K., and Balandin, A. A.
EFFECT OF STRUCTURE OF HYDROCARBONS ON THEIR DEHYDROGENATION KINETICS. [1963] [7p] 5refs
Order from OTS or SLA $1.10 63-20211

Trans. of Neftekhimiya (USSR) 1962, v. 2 [no. 4] p. 467-472.

DESCRIPTORS: *Hydrocarbons, *Dehydrogenation, *Molecular structure, Reaction kinetics.

Catalytic dehydrogenation kinetics was studied on a series of alkaryls. It was found, that all alkylaromatic hydrocarbons with branched radicals and with substituents in the ring dehydrogenate more rapidly. Changes of free energy, heat content, entropy were determined during adsorptive displacement from the catalytically
(Chemistry--Organic, TT, v. 10, no. 11) (over)

63-20211

I. Belomestnykh, I. P.
II. Bogdanova, O. K.
III. Balandin, A. A.

Office of Technical Services

APPROVED FOR RELEASE: Wednesday, July 02, 2003 CIA-RDP91-00929R000200950028-6

Shulkin, N. I. and Naryshkina, T. I.
CATALYTIC DEHYDROGENATION OF PETROLEUM-METHYLCYCLO-PENTANE. [1963] 10p 20refs
Order from OTS, SLA, or ETC $1.10 TT-64-10102

Trans. of Neftekhimiya (USSR) 1962, v. 2 [no. 4] p. 473-479. (Abstract available)

DESCRIPTORS: *Petroleum, *Cyclopentanes, Methyl radicals, *Dehydrogenation, Catalysis, *Catalysts, Aluminum compounds, Chromium compounds, Potassium compounds, Oxides, Activated carbon, *Cyclopentadiene, Production.

The reaction of dehydrogenation of the methylcyclopropane fraction 69-75 C from Baku gasoline of straight distillation was investigated in the presence of different oxide catalysts and active carbon. It was established, that at 600 C, under a pressure reduced to 15-20 mm. Hg. and at a supply rate of 0.3 hour^{-1}, the yield in
(Chemistry--Organic, TT, v. 11, no. 5) (over)

TT-64-10102

1. Title: Methylcyclopentane
I. Shulkin, N. I.
II. Naryshkina, T. I.

Office of Technical Services

APPROVED FOR RELEASE: Wednesday, July 02, 2003 CIA-RDP91-00929R000200950028-6

Lavrovskii, K. P., Brodskii, A. M., Musaev, I. A., Sanin, P. I., and Rumyantsev, A. N.
PRODUCTION OF HIGHER NORMAL α-OLEFINS BY HIGH-SPEED CRACKING OF PARAFFINIC PETROLEUM PRODUCTS. [1963] [11p] 15refs
Order from OTS or SLA $1.60 63-20209

Trans. of Neftekhimiya (USSR) 1962, v. 2 [no. 4] p. 487-494.

DESCRIPTORS: *Petroleum, Synthetic waxes, Distillation, *Ethylenes, Production, *Hydrocarbons, Gas chromatography, Gasoline, Decomposition.

Production possibility of unsaturated hydrocarbons, particularly α-olefins, through high-speed cracking of paraffinic petroleum products was investigated. It was found, that the cracking gases contain 30-50% ethylene. The fraction 60-175 C, produced in cracking of solid, (Engineering--Chemical, TT, v. 10, no. 11) (over)

63-20209

I. Lavrovskii, K. P.
II. Brodskii, A. M.
III. Musaev, I. A.
IV. Sanin, P. I.
V. Rumyantsev, A. N.

ATS-70R77C

Office of Technical Services

APPROVED FOR RELEASE: Wednesday, July 02, 2003 CIA-RDP91-00929R000200950028-6

Manukovskaya, L. G., Solomin, A. V., Suvorov, B. V., and Rafikov, S. R.
CONTINUOUS METHOD FOR TEREPHTHALIC ACID PRODUCTION BY LIQUID-PHASE OXIDATION OF p-XYLENE. [1963] [6p] 18refs
Order from OTS or SLA $1.10 63-20213

Trans. of Neftekhimiya (USSR) 1962, v. 2, no. 4, p. 531-539.

DESCRIPTORS: *Xylenes, Oxidation, *Terephthalic acid, Chemical reactions, Synthesis (Chemistry).

Liquid phase oxidation of p-xylene by molecular oxygen, with and without n-butyric acid as solvent, was studied in the presence of cobalt bromide catalyst. It was found that the oxidation degree in the presence of $CoBr_2$ is greatly increased by addition of easy oxidable substances to the reaction mixture (e.g. n-butyraldehyde) (Engineering--Chemical, TT, v. 10, no. 11) (over)

63-20213

I. Manukovskaya, L. G.
II. Solomin, A. V.
III. Suvorov, B. V.
IV. Rafikov, S. R.

Office of Technical Services

APPROVED FOR RELEASE: Wednesday, July 02, 2003 CIA-RDP91-00929R000200950028-6

Ustavshchikov, B. F., Farberov, M. I., and Podgornova, V. A.
SYNTHESIS OF METHACRYLIC ACID ON THE BASIS OF ISOBUTYLENE. [1963] [10p] 12refs
Order from OTS or SLA $1.10 63-20216

Trans. of Neftekhimiya (USSR) 1962, v. 2 [no. 4] p. 592-599.

DESCRIPTORS: *Butenes, *Acrylic acids, Methyl radicals, Synthesis (Chemistry), *Canavanine, Nitrogen compounds, Oxides, Catalysts, *Acrylic resins.

Reaction conditions of isobutylene with nitrogen tetroxide were found, producing α-oxyisobutyric acid in ~ 80% yield. Nitrozation and not nitration occurs under the conditions indicated and the intermediate α-nitrato-isobutyric acid is formed from the isonitrosocompound-α-nitratoisobutyric aldehyde. Catalyst and conditions were chosen for production of methacrylic acid in almost quantitative yield. (Author)

63-20216

I. Ustavshchikov, B. F.
II. Farberov, M. I.
III. Podgornova, V. A.

(Engineering--Chemical, TT, v. 10, no. 11)
Office of Technical Services

APPROVED FOR RELEASE: Wednesday, July 02, 2003 CIA-RDP91-00929R000200950028-6

Tepenitsyna, E. P., Dorogova, N. K., and Farberov, M. I.
STUDY ON THE REACTION OF SELECTIVE OLIGOMERIZATION OF BUTADIENE TO CYCLODODECATRIENE. [1963] [10p] 16refs
Order from OTS or SLA $1.10 63-20210

Trans. of Neftekhimiya (USSR) 1962, v. 2, no. 4, p. 604-610.

DESCRIPTORS: *Butadienes, Chemical reactions, *Cyclododecatriene, Ziegler catalysts.

A series of catalytic systems for cyclododecatriene (CDT) production was investigated and three systems were the most active: $Al(C_2H_5)_2Cl + TiCl_4$; $Al(C_2H_5)_3 + CrCl_3$; $Al(i\text{-}C_4H_9)_3 + CrCl_3$. All three had high stereospecificity, forming only one of the two CDT forms, as a function of the second component in (Chemistry--Organic, TT, v. 10, no. 11) (over)

63-20210

I. Title: Oligomerization
I. Tepenitsyna, E. P.
II. Dorogova, N. K.
III. Farberov, M. I.

Office of Technical Services

APPROVED FOR RELEASE: Wednesday, July 02, 2003 CIA-RDP91-00929R000200950028-6

Miesserov, K. G.
ROLE OF THE CARRIER IN CHROMIA CATALYSTS FOR POLYMERIZATION. [1964] 10p 8refs
Order from OTS, SLA, or ETC $1.10 TT-64-10777

Trans. of Neftekhimiya (USSR) 1962, v. 2 [no. 5] p. 681-687.

(Chemistry--Organic, TT, v. 12, no. 2)

TT-64-10777

I. Miesserov, K. G.

Office of Technical Services

APPROVED FOR RELEASE: Wednesday, July 02, 2003 CIA-RDP91-00929R000200950028-6

Catalytic Demethylation of Toluene, by
G. N. Maslyanskiy.
RUSSIAN, per, Neftekhimiya, Vol 2, No 5, 1962,
pp 709-715.
ATS RJ-5383

Sci-Chem
June 70

APPROVED FOR RELEASE: Wednesday, July 02, 2003 CIA-RDP91-00929R000200950028-6

Kamzolkin, V. V., Bashkirov, A. N., Kamzolkina, E. V., and Lodzik, S. A.
ON SOME RELATIONSHIPS IN THE LIQUID-PHASE OXIDATION OF OLEFINS. [1964] 7p 22refs
Order from OTS, SLA, or ETC $1.10 TT-64-10778

Trans. of Neftekhimiya (USSR) 1962, v. 2 [no. 5] p. 750-755.

(Chemistry--Organic, TT, v. 12, no. 1)

TT-64-10778

I. Kamzolkin, V. V.
II. Bashkirov, A. N.
III. Kamzolkina, E. V.
IV. Lodzik, S. A.

Office of Technical Services

APPROVED FOR RELEASE: Wednesday, July 02, 2003 CIA-RDP91-00929R000200950028-6

Mamedov, Sh., Rzaev. A. S., and Nizker, I. L.
SYNTHESIS OF NEW PLASTICIZERS FROM THE KEROSENE BOILING RANGE NAPHTHENIC ACIDS.
9p (3 tables omitted) 11refs.
Order from OTS, SLA, or ETC $1.10 TT-64-16867

Trans. of Neftekhimiya (USSR) 1962, v. 2, no. 5, p. 788-792.
Partial trans. (p. 789-792) is available from OTS, SLA or ETC $1.10 as TT-64-14277 [4p].

(Materials--Plastics, TT, v. 12, no. 4)

TT-64-16867

I. Mamedov, Sh.
II. Rzaev, A. S.
III. Nizker, I. L.

Office of Technical Services

APPROVED FOR RELEASE: Wednesday, July 02, 2003 CIA-RDP91-00929R000200950028-6

Gulyaev, G. V., Kozlov, G. I. and others.
THE CONVERSION OF METHANE TO ACETYLENE IN A PLASMA JET. [1963] 3p.
Order from ATS $5.00 ATS-21Q70R

Trans. of Neftekhimiya (USSR) 1962, v. 2, no. 5, p. 793-794.

DESCRIPTORS: *Methanes, *Acetylenes, Plasma jets,

(Chemistry--Organic, TT, v. 10, no. 6)

63-17776

I. Gulyaev, G. V.
II. Kozlov, G. I.
III. ATS-21Q70R
IV. Associated Technical Services, Inc., East Orange, N. J.

ATS RJ-3959

Office of Technical Services

APPROVED FOR RELEASE: Wednesday, July 02, 2003 CIA-RDP91-00929R000200950028-6

Chromatographic Determination of Heats of Adsorption of Lower Hydrocarbons by Type 5a Zeolites, by A. V. Kiselev, E. V. Khrapova, K. D. Shcherbakova, 9pp.
RUSSIAN, per Neftekhimiya, Vol 2, No 6, 1962, pp 877-884.
CFSTI ATS-76R77R.

322,305

Sci - Chemistry
Mar 67

APPROVED FOR RELEASE: Wednesday, July 02, 2003 CIA-RDP91-00929R000200950028-6

Blyumberg, E. A., Norikov, Yu. D., and Smirnov, E. S.

APPLICATION OF GAS-LIQUID CHROMATOGRAPHY FOR THE ANALYSIS OF THE OXIDATION PRODUCTS FROM SOME HYDROCARBONS. [1963] 6p 4 cfs Order from OTS, SLA, or ETC $1.10 TT-64-10105

Trans. of Neftekhimiya (USSR) 1962, v. 2 [no. 6] p. 897-900. (Abstract available)

DESCRIPTORS: *Hydrocarbons, *Butanes, Oxidation, Peroxides, Alcohols, Carboxylic acids, Esters, *Chromatographic analysis,

The method of gas-liquid chromatography was applied for analysis of the neutral products from liquid-phase oxidation of n-butane. A method of separation and of quantitative determination was developed for the oxidation products of high boiling hydrocarbons, by application of chromatograph with microcatharometer, which permit measurements at 400 C. (Author)

TT-64-10105

I. Blyumberg, E. A.
II. Norikov, Yu. D.
III. Smirnov, E. S.

(Chemistry--Analytical, TT, v. 11, no. 5)

Office of Technical Services

APPROVED FOR RELEASE: Wednesday, July 02, 2003 CIA-RDP91-00929R000200950028-6

Karpukhina, G. V. and Maizus, Z. K.
STUDY ON LIQUID-PHASE OXIDATION OF n-DECANE WITH APPLICATION OF GAS-LIQUID CHROMATOGRAPHY. [1963] 6p 11refs
Order from OTS, SLA, or ETC $1.10 TT-64-10096

Trans. of Neftekhimiya (USSR) 1962, v. 2 [no. 6] p. 901-905. (Abstract available)

DESCRIPTORS: *Decanes, Oxidation, *Ketones, Synthesis (Chemistry), Chromatographic analysis,

A method was developed for separation of the ketones C_7-C_{10} and of isomeric decanones with the carbonyl-group in positions 2, 3 and 4 by means of gas-liquid chromatography on different liquid immobile-phases. It was shown, that during oxidation of n-decane the ketones with a shorter chain were not formed, i.e. the successive reactions of formation of oxidation products
(Chemistry--Analytical, TT, v. 11, no. 9) (over)

TT-64-10096

1. Title: Decanones
I. Karpukhina, G. V.
II. Maizus, Z. K.

Office of Technical Services

APPROVED FOR RELEASE: Wednesday, July 02, 2003 CIA-RDP91-00929R000200950028-6

Fel'dblyum, V. Sh., Komissarova, G. P., Myasnikova, L. D. and others.
ISOPRENE SYNTHESIS FROM PROPYLENE. I. ANALYSIS OF ALKYLALUMINUMS DURING PROPYLENE DIMERIZATION. [1963] 8p 20refs
Order from OTS, SLA, or ETC $1.10 TT-64-14455

Trans. of Neftekhimiya (USSR) 1963, v. 3 [no. 1] p. 13-19. (Abstract available)

DESCRIPTORS: *Isoprene, Synthesis (Chemistry), *Propenes, Polymerization, Catalysts, *Metalorganic compounds, *Ziegler catalysts, Aluminum compounds.

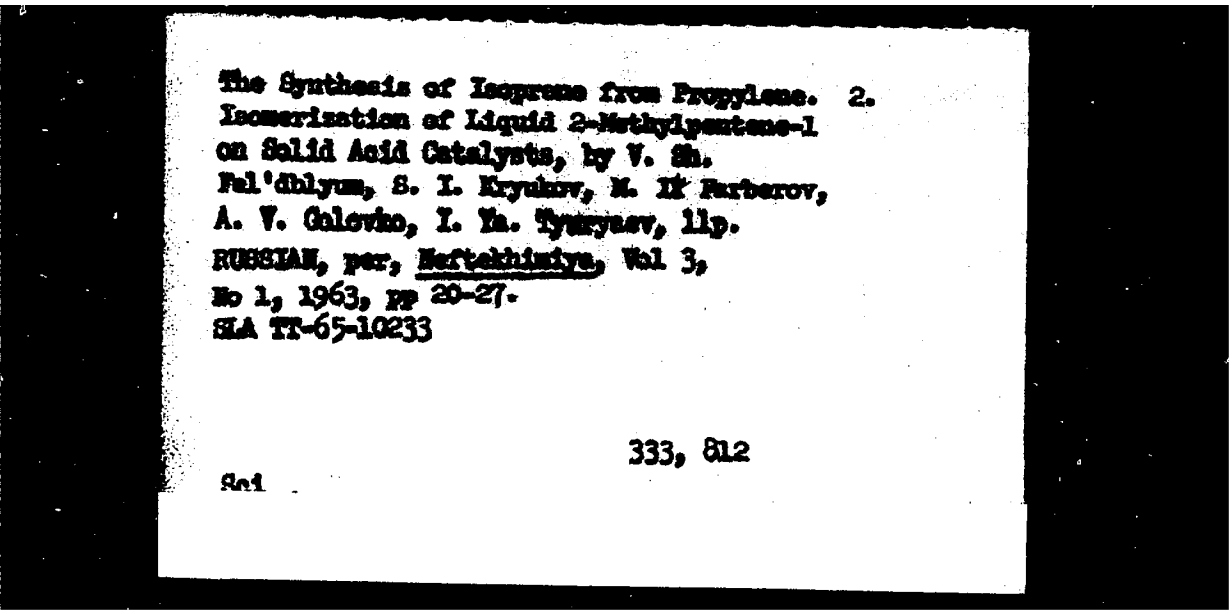
A comparative evaluation was made of the results, produced by the most used methods for aluminum-alkyls analysis in the process of propylene dimerization. In addition to these methods, a simple procedure of determination of the starting catalyst activity in the
(Chemistry--Organic, TT, v. 11, no. 7) (over)

TT-64-14455

I. Title: Aluminum triisobutide
I. Fel'dblyum, V. Sh.
II. Komissarova, G. P.
III. Myasnikova, L. D.
IV. Title: Analysis ...

Office of Technical Services

APPROVED FOR RELEASE: Wednesday, July 02, 2003 CIA-RDP91-00929R000200950028-6



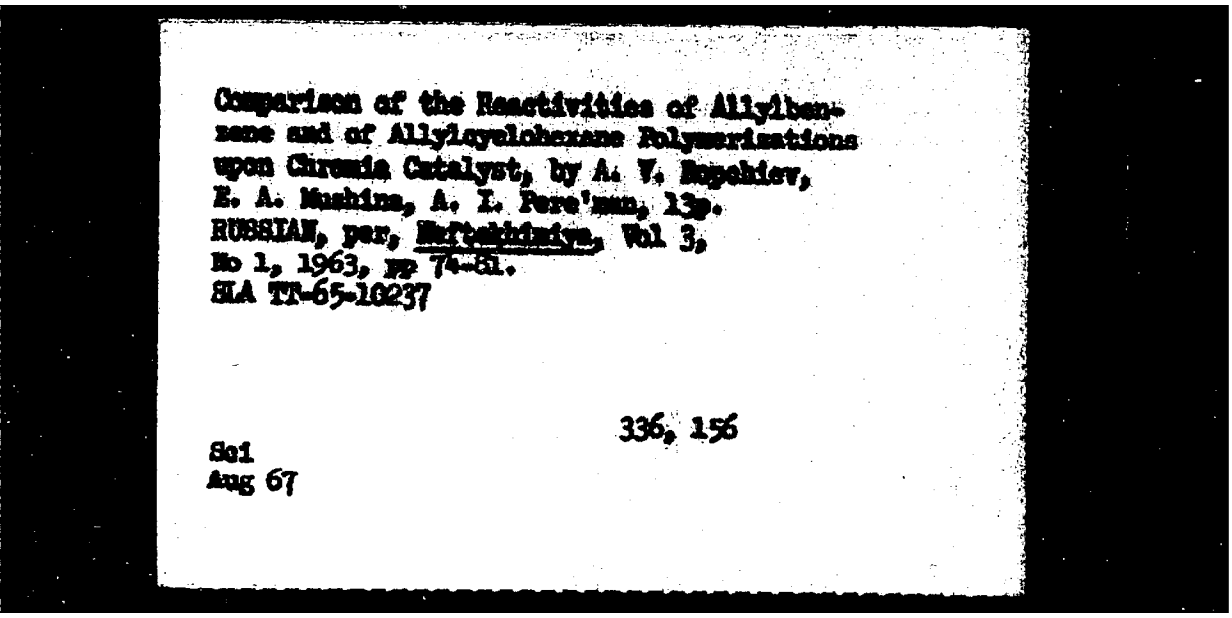
The Synthesis of Isoprene from Propylene. 2. Isomerization of Liquid 2-Methylpentene-1 on Solid Acid Catalysts, by V. Sh. Fel'dblyum, S. I. Kryukov, M. N. Parberov, A. V. Golovko, I. Ya. Tyunyaev, Ilp.

RUSSIAN, per, Neftekhimiya, Vol 3, No 1, 1963, pp 20-27.

SLA TT-65-10233

333, 812

Sci



Comparison of the Reactivities of Allylbenzene and of Allylcyclohexane Polymerizations upon Chromia Catalyst, by A. V. Kopchiev, Z. A. Mushina, A. I. Pere'mun, 13p.
RUSSIAN, per, Neftekhimiya, Vol 3, No 1, 1963, pp 74-81.
SLA TT-65-10237

336, 156

Sel
Aug 67

Bakalo, L. A., Krentsel, B. A., and Topchev, A. B.
THE STUDY OF CATALYTIC POLYMERIZATION OF EPICHLOROHYDRIN. [1964] [18p] (2 figs omitted) 20refs
Order from OTS, SLA, or ETC $1.60 TT-64-10162

Trans. of Neftekhimiya (USSR) 1963, v. 3, p. 206-216.

(Chemistry--Organic, TT, v. 11, no. 12)

TT-64-10162

I. Bakalo, L. A.
II. Krentsel, B. A.
III. Topchev, A. B.

Office of Technical Services

APPROVED FOR RELEASE: Wednesday, July 02, 2003 CIA-RDP91-00929R000200950028-6

Radiation Polymerization of n-Heptene in Presence of $TiCl_4$, by Yu. A. Kolbanovskiy, L. S. Polak, et al, 8 pp.
RUSSIAN, per, Neftekhimiya, Vol III, No 2, 1963, pp 222-226. 9697341
FTD-TT-65-31

Sci-Phys
Jul 65 282,714

APPROVED FOR RELEASE: Wednesday, July 02, 2003 CIA-RDP91-00929R000200950028-6

Kryukov, Yu. B., Smirnova, R. M. and others.
THE INTERMEDIATE STAGES OF LIQUID PHASE OXIDATION OF SECONDARY ALCOHOLS TO KETONES. [1963] [10]p. 24 refs.
Order from OTS or SLA $1.10 63-18844

Trans. of Neftekhimiya (USSR) 1963, v. 3, no. 2, p. 238-245.

DESCRIPTORS: *Ketones, *Alcohols, *Oxidation, Phase studies, Oxygen, Isotopes, Hydroxyl radicals, Exchange reactions.

It was established by the example of tetradecanols, that the liquid-phase oxidation process of higher secondary alcohols by molecular oxygen, enriched with the heavy isotope O^{18}, is accompanied by an oxygen isotope exchange between the reaction products - ketone and water. The exchange rate is slower than the reaction rate, leading to oxygen exchange. Process of sec.
(Chemistry--Organic, TT, v. 10, no. 12) (over)

63-18844

I. Kryukov, Yu. B.
II. Smirnova, R. M.

Office of Technical Services

APPROVED FOR RELEASE: Wednesday, July 02, 2003 CIA-RDP91-00929R000200950028-6

Alkylation of Ferrocene by Olefins in the Presence of Compounds of Boron Fluoride and Aluminum Chloride, by Ya. M. Paushkin, T. P. Vishnyakova, 7 pp.
RUSSIAN, per, Neftekhimiya, Vol 3, No 2, 1963, pp 280-284. P100184968-V
FTD-HT-67-290

Sci/Chem
Sept 68

365,004

APPROVED FOR RELEASE: Wednesday, July 02, 2003 CIA-RDP91-00929R000200950028-6

Ivanov, K. I., Savinova, V. K., and Zhakhovskaya, V. P.
THERMAL STABILITY OF ALKYL HYDROPEROXIDES. [1964] 9p 14refs
Order from OTS, SLA, or ETC $1.10 TT-64-14955

Trans. of Neftekhimiya (USSR) 1963, v. 3, no. 3, p. 352-359.

(Chemistry--Physical, TT, v. 11, no. 11)

TT-64-14955

I. Ivanov, K. I.
II. Savinova, V. K.
III. Zhakhovskaya, V. P.

Office of Technical Services

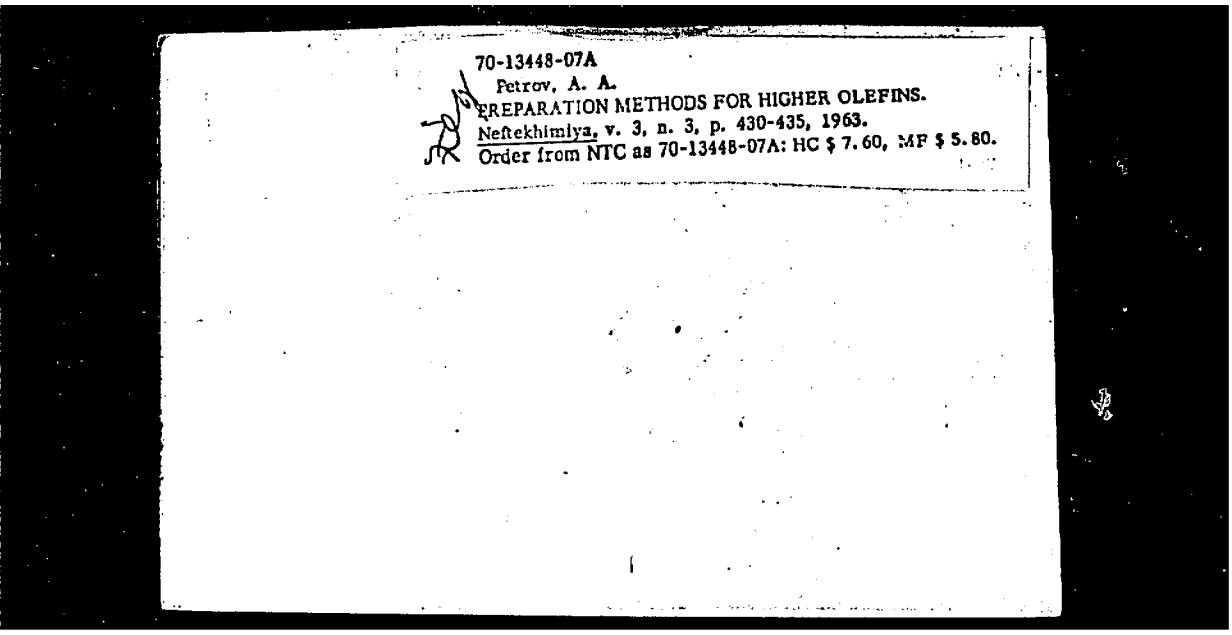
APPROVED FOR RELEASE: Wednesday, July 02, 2003 CIA-RDP91-00929R000200950028-6

Use of Coarse Porous Glass in Gas-adsorption Chromatography for the Separation of Liquid Hydrocarbons, by S. P. Zhdanov, A. V. Kiselev, et al. 15 pp.
RUSSIAN, per, Neftekhimiya, Vol 3, No 3, 1963, pp 417-424. 9700176
FTD-TT-65-1487

Sci/Fuels
May 66

299,478

APPROVED FOR RELEASE: Wednesday, July 02, 2003 CIA-RDP91-00929R000200950028-6



70-13448-07A
Petrov, A. A.
PREPARATION METHODS FOR HIGHER OLEFINS.
Neftekhimiya, v. 3, n. 3, p. 430-435, 1963.
Order from NTC as 70-13448-07A: HC $ 7.60, MF $ 5.80.

APPROVED FOR RELEASE: Wednesday, July 02, 2003 CIA-RDP91-00929R000200950028-6

Bogdanov, M. I.
CALCULATION OF DEHYDROGENATION REACTION EQUILIBRIA IN CONVERSIONS OF BUTANE-BUTYLENIC MIXTURES AND OF n-BUTENES TO BUTADIENE-1, 3, PT. 2. [1964] 10p 1ref
Order from OTS, SLA, or ETC $1.10 TT-64-14195

Trans. of Neftekhimiya (USSR) 1963, v. 3 [no. 4] p. 488-493.

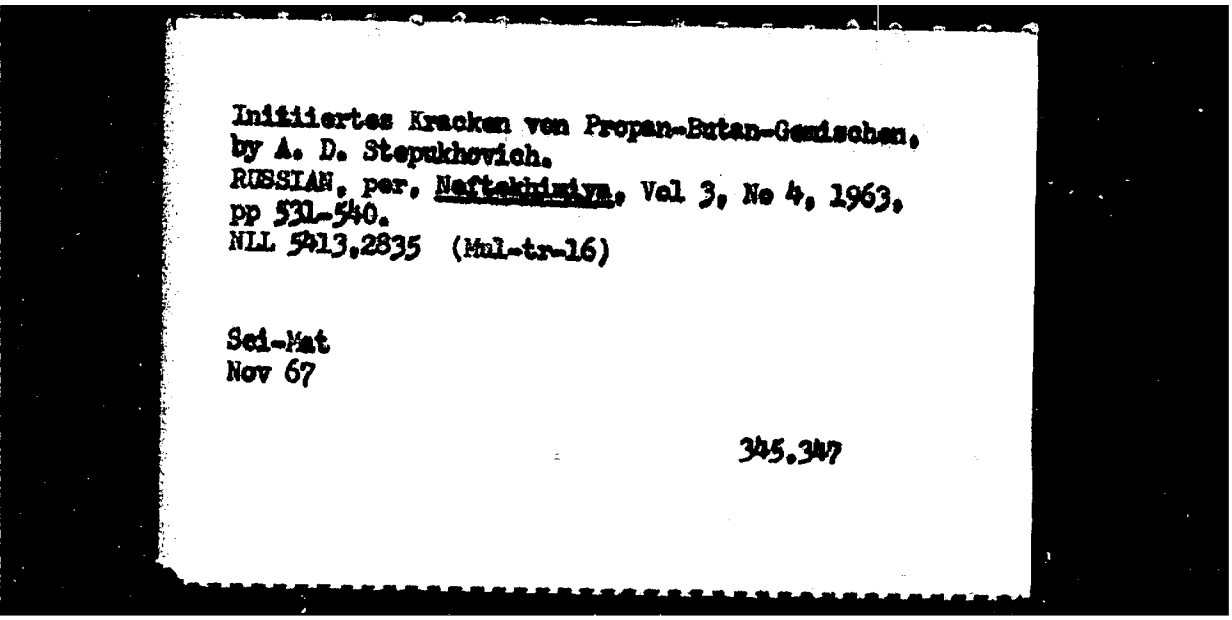
(Chemistry--Physical, TT, v. 11, no. 11)

TT-64-14195

I. Bogdanov, M. I.

Office of Technical Services

APPROVED FOR RELEASE: Wednesday, July 02, 2003 CIA-RDP91-00929R000200950028-6



Initiiertes Kracken von Propan-Butan-Gemischen,
by A. D. Stepukhovich.
RUSSIAN, per. Neftekhimiya, Vol 3, No 4, 1963,
pp 531-540.
NLL 5413.2835 (Mul-tr-16)

Sci-Mat
Nov 67

345.347

Blyumberg, E. A., Malievskii, A. D., and Emanuel, N. M.
EFFECT OF SOLVENTS ON THE MECHANISM OF LIQUID-PHASE OXIDATION OF n-BUTANE. [1964] 7p
Order from ATS $13.75 ATS-65R74R

Trans. of Neftekhimiya (USSR) 1963, v. 3, no. 4, p. 541-547.

(Chemistry--Organic, TT; v. 11, no. 12)

TT-64-12751

I. Blyumberg, E. A.
II. Malievskii, A. D.
III. Emanuel, N. M.
IV. ATS-65R74R
V. Associated Technical Services, Inc., East Orange, N. J.

Office of Technical Services

APPROVED FOR RELEASE: Wednesday, July 02, 2003 CIA-RDP91-00929R000200950028-6

Denisov, E. T. and Kharitonov, V. V.
KINETIC-EQUILIBRIUM CONCENTRATIONS OF INTERMEDIATE PRODUCTS IN THE OXIDATION OF CYCLOHEXANOL. [1964] 8p
Order from ATS $11.75 ATS-67R74R

Trans. of Neftekhimiya (USSR) 1963, v. 3, no. 4, p. 558-564.

(Chemistry--Organic, TT, v. 11, no. 12)

TT-64-12756

I. Denisov, E. T.
II. Kharitonov, V. V.
III. ATS-67R74R
IV. Associated Technical Services, Inc., East Orange, N. J.

Office of Technical Services

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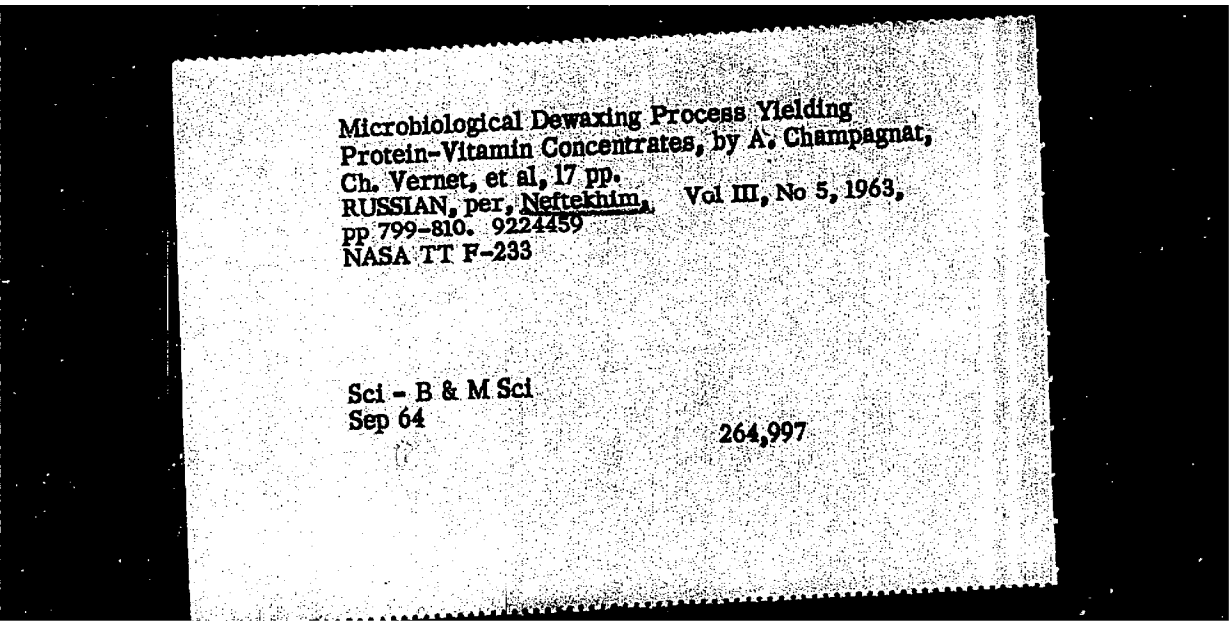

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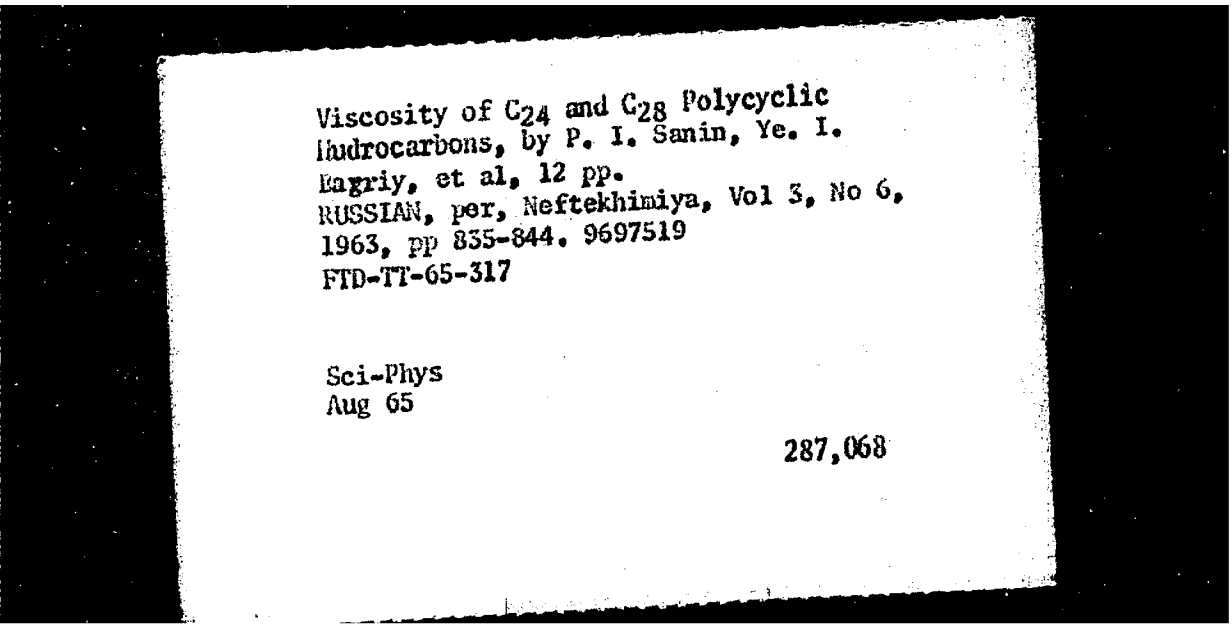

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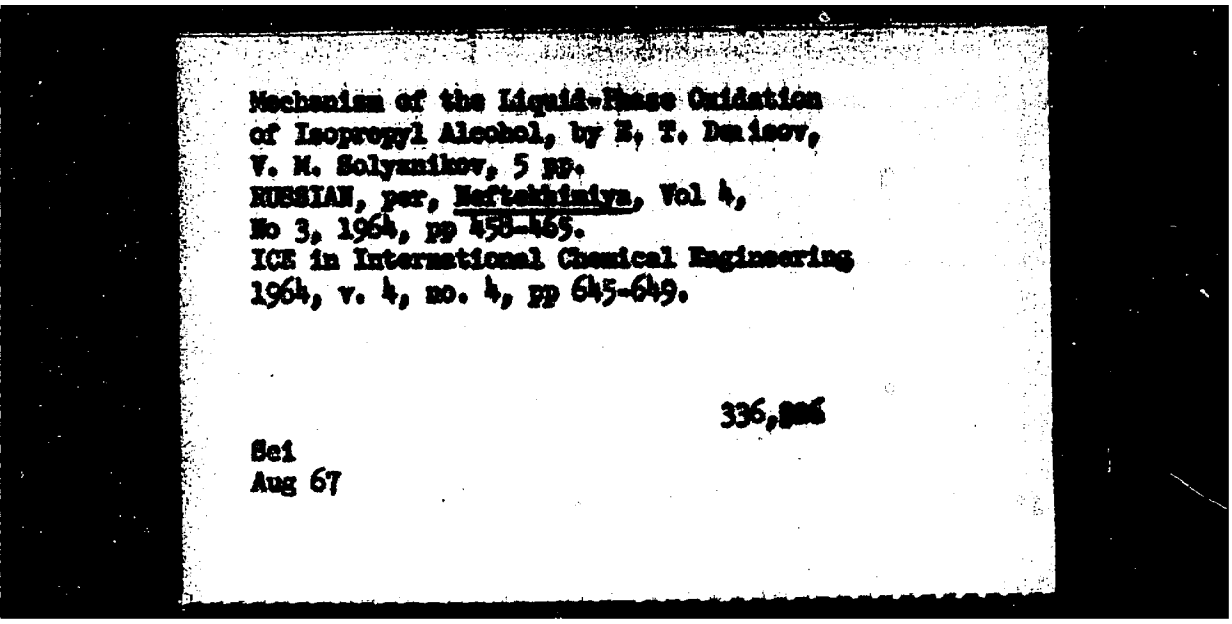

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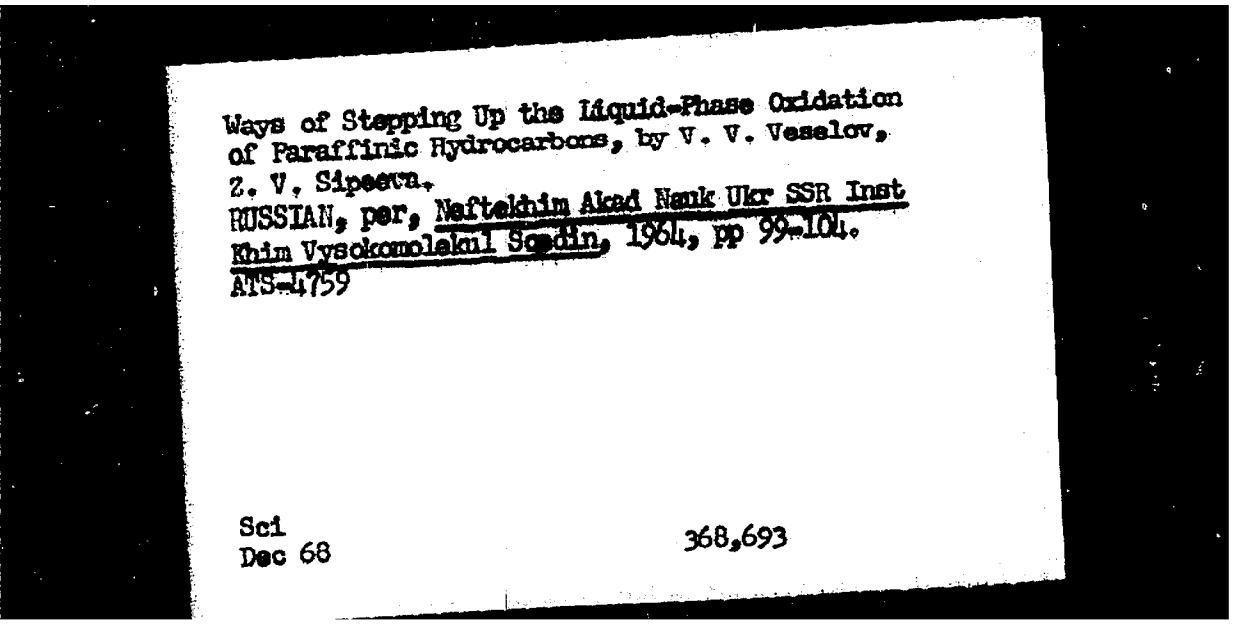

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